

Impact of Conklin® Amplify-D® on Corn

Study ID: 0085141201810

County: Platte

Soil Type: Gibbon silt loam occasionally flooded;
Lawet silt loam occasionally flooded

Planting Date: 4/26/18

Harvest Date: 10/27/18

Population: 32,500 to 34,500 (while treatments were not necessarily equally represented in each population, the population range was only 2,000 seeds/ac)

Row Spacing (in): 30

Hybrid: Dekalb® DKC 63-21

Reps: 17

Previous Crop: Corn

Tillage: Ridge-Till (rolling stalk chopper twice)

Herbicides: **Pre:** 2 qt/ac Degree Extra®, 40 oz/ac Roundup®, and 6 oz/ac Sterling Blue® in mid-May

Post: 56 oz/ac Halex®, 1 pt/ac Atrazine, and 16 oz/ac Roundup® in mid-June

Fertilizer: 100 lb/ac Urea (46 lb actual N/ac), 50 lb/ac K-Mag® and 25 lb/ac Potash on 4/10/18; 5 gal/ac Kugler 6-24-6-1S with 1 pt/ac Micro Max® in-furrow and 5 gal/ac ATS and 5 gal/ac 32% UAN on 4/26/18; 160 lb/ac N from NH3 sidedress on 6/4/18

Irrigation: Gravity, Total: 6"

Rainfall (in):



Introduction: This study was evaluating Conklin® Amplify-D® on corn. Amplify-D® was applied at a rate of 1.5 oz/ac in the planter box. The guaranteed analysis is below.

Guaranteed analysis:

Total Nitrogen (N)	2.0%
Available Phosphoric Acid (P ₂ O ₅)	10.0%
Calcium (Ca)	1.0%
Iron (Fe)	2.0%
Manganese (Mn)	0.5%
Zinc (Zn)	2.0%
Nutrients from:	Disodium Phosphate, Adenosine Monophosphate (AMP), Monosodium Phosphate, Calcium Carbonate, Ferrous Sulfate, Manganese Sulfate and Zinc Sulfate

Product information from: <https://www.conklin.com/mwdownloads/download/link/id/175/>

Results:

	Moisture (%)	Yield† (bu/acre)	Marginal Net Return‡ (\$/ac)
Check	15.1 B*	258 A	832.43 A
Conklin® Amplify-D®	15.2 A	259 A	833.31 A
P-Value	0.0001	0.520	0.831

*Values with the same letter are not significantly different at a 90% confidence level.

†Yield values are from cleaned yield monitor data. Bushels per acre corrected to 15.5% moisture.

‡Marginal net return based on \$3.23/bu corn and \$1.80/ac Amplify-D®.

Summary:

- There was no difference in yield or net return between the untreated check and the Amplify-D® treatment.

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